What is claimed is:

1. A nozzle for injection molding, comprising:

a thermally conductive nozzle body defining an internal passage for conveying a flow of heated melt through the nozzle body;

a nozzle tip on an end of the nozzle body, communicating with the internal passage, wherein the nozzle tip is structured for engagement with a mold for coupling the passage to an injection inlet; and,

wherein a heat flow blocking configuration is disposed between an extreme end of the nozzle tip and a point of the internal passage spaced back from the nozzle tip.

2. The nozzle of claim 1, wherein the heat flow blocking configuration comprises a portion having reduced thermal conduction capacity between the extreme end and the point spaced backed from the nozzle tip.

3. The nozzle of claim 2, wherein the portion having reduced thermal conduction comprises a reduction in wall thickness along the internal passage.

4. The nozzle of claim 3, wherein the reduction in wall thickness occurs at an extension of the internal passage at the extreme end of the nozzle tip.

5. The nozzle of claim 4, further comprising at least one fin extending laterally from the extension of the internal passage to the nozzle body, for supporting said extension.

6. The nozzle of claim 5, wherein the fin supporting the extension has a material gap between the extension and the nozzle body.

7. The nozzle of claim 1, wherein internal passage extends axially along the nozzle body to an axially placed cylindrical hub of a diameter less than a diameter of the nozzle body.

8. The nozzle of claim 7, further comprising a tubular extension from the cylindrical hub, the tubular extension having a wall thickness less than a wall thickness of the cylindrical hub.

9. The nozzle of claim 8, further comprising at least one fin forming a buttress supporting the tubular extension relative to the cylindrical hub.

10. The nozzle of claim 9, wherein the fin forms at least two radially extending buttresses.

11. The nozzle of claim 10, wherein the buttresses are diametrically opposite.

12. The nozzle of claim 9, wherein the fin has a gap between the cylindrical hub and a buttress forming web.

13. The nozzle of claim 9, wherein the web extends along a line of a spherical surface.

14. A nozzle for coupling to an injection mold having an injection inlet, comprising:

a thermally conductive nozzle body defining an internal passage for conveying a flow of heated melt through the nozzle body;

a nozzle tip on an end of the nozzle body, communicating with the internal passage, wherein the nozzle tip is structured for engagement with a mold for coupling the passage to an injection inlet; and,

a thermally discontinuously conductive structure disposed between an extreme end of the nozzle tip and a point of the internal passage spaced back from the nozzle tip.

15. The nozzle of claim 14, wherein the nozzle substantially comprised a thermally conductive metal material and the thermally discontinuously conductive structure comprises a gap in the thermally conductive metal material between the nozzle body and the nozzle tip.

16. The nozzle of claim 15, wherein the gap comprises a reduction in material thickness.

17. The nozzle of claim 16, wherein the gap comprises an opening in a supporting web.